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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Patent Application of  
en MATTISSON et al.

**Application No.: 09/580,632**

**Filed: May 30, 2000**

For: **LINEAR DEAD-BAND-FREE DIGITAL  
PHASE DETECTION**

Group Art Unit: 2858

**Examiner:** Unassigned

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## **INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (126) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A certification under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A certification under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (126) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \$\_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \$\_\_\_\_\_ is enclosed for the fee due.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

**BURNS, DOANE, SWECKER & MATHIS, L.L.P.**

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By:

John F. Guay  
Registration No. 47,248

Date: March 14, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of )

Sven MATTISSON et al. )

Application No.: 09/580,632 )

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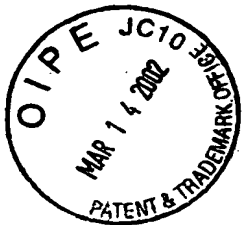
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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

European Patent No. EP 0 458 269 A1, published November 27, 1991.

It is believed that this document is being filed before the first action on the merits, therefore no fee or statement is required under 37 C.F.R. § 1.97(b).

To assist the Examiner, the document listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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